



**Physics Without Frontiers
Annual Meeting - 2024**



AFGHANISTAN

Zainab Nazari
EBRI

Birth of the PWF in Afghanistan

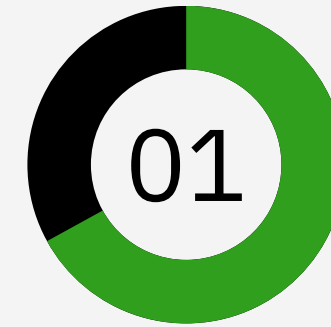
Baktash Amini a lecturer from Kabul university was contacted by **Dr. Archana Sharma** from CERN in 2017, and then connection to **Dr. Kate Shaw** from ICTP.



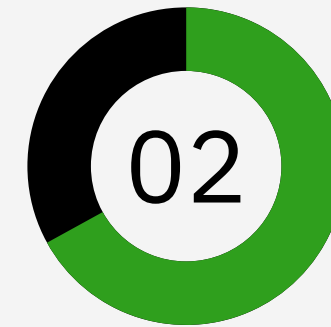
PWF Programs

2018-2024

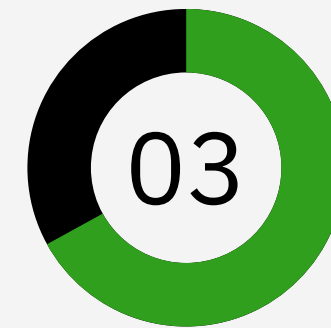
To organize and support workshops, outreach activities, and collaborative projects that enhance the knowledge and skills of Afghan students and scientists in high-energy physics, cosmology, and other scientific disciplines. By bridging local and international expertise, the project aims to revitalize the research culture in Afghanistan, increase female participation in STEM, and establish a sustainable network of scientific collaboration across universities in the region.



March 2018: High Energy Physics Workshop, Kabul University, Afghanistan



April 2019: PWF Afghanistan: School on Theoretical and Experimental Concepts in High Energy Physics



September 2024: PWF Afghanistan: Afghan Physics Students Conference 2024

PWF-ICTP MSc scholarships 2019-2022

38 scholarships in universities Iran:

- **Institute for Advanced Studies in Basic Sciences (IASBS)- 31**
- **Ferdowsi University of Mashhad-2**
- **Shahid Beheshti University-2**

Most of them graduated, some of them already pursuing their PhDs.



Online Afghan Physics Students Conference 2024

01

Highlight the significant progress made by students in physics, fostering a sense of community and collaboration among participants.

02

Offer training sessions on career opportunities, application processes for further studies, CV writing, interview techniques, and pathways to industry.

03

Facilitate networking opportunities with experienced professionals and academics, enabling students to connect with resources and mentorship that support their academic and career aspirations.

Exploring Ideas

01 Enhance Networking and Mentorship

02 Organize Inclusive and Practical Conferences

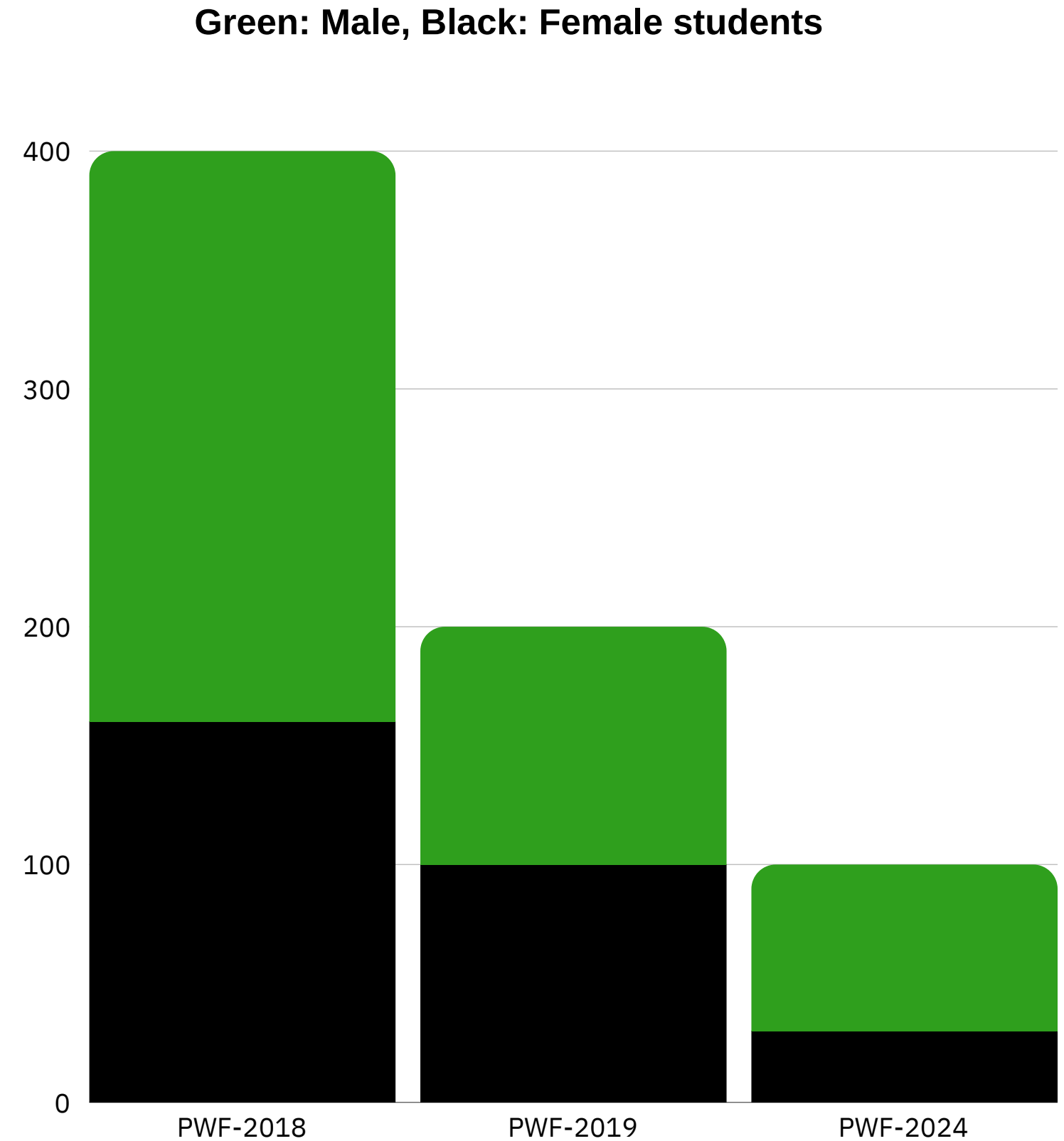
03 Foster Student Engagement and Representation

Training Trainees

To enhance the educational experience and professional development of Afghan students, providing them with valuable resources, networks, and opportunities to thrive in their academic and future careers.

The Gender Divide in Afghan Education

In August 2021, the Taliban regained power in Afghanistan and gradually restricted women's education. Initially, women were allowed to attend segregated university classes, but by December 2022, a complete ban was imposed, preventing women from pursuing higher education. This decision, coupled with restrictions on secondary education and workplace participation, has severely curtailed women's opportunities and rights, drawing global criticism



S

Strength

Identifying talented students and innovative academic programs

W

Weakness

Recognizing challenges and addressing resource shortages in Afghan universities.

O

Opportunity

Securing funding from neighboring countries and external sources to support students.

C

Collaboration

Building stronger ties with international universities and organizations to enhance resources and opportunities for Afghan students

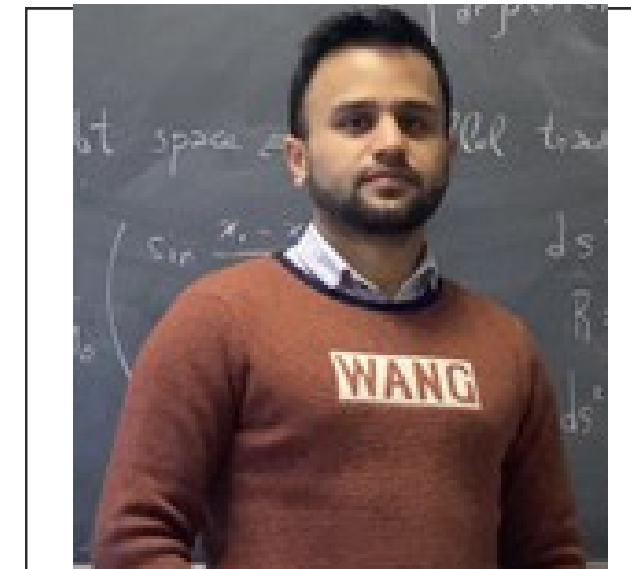
THE CURRENT TEAM



Stockholm University
Fawad Hassan



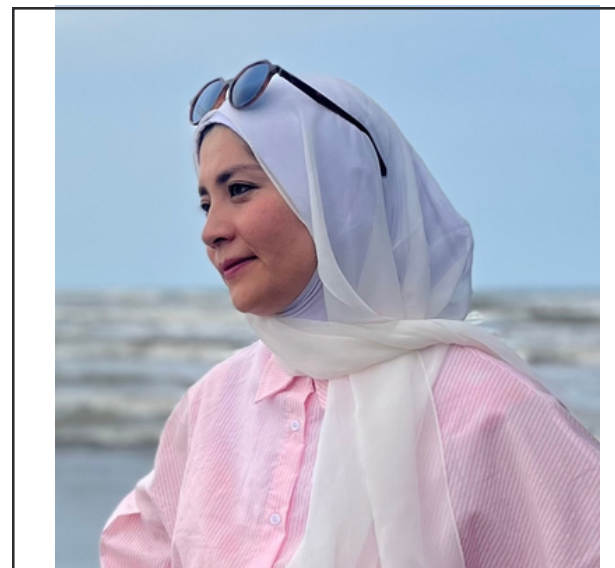
*University Medical Center
Hamburg-Eppendorf*
Sharif Hussainyar



University of Freiburg
Baktash Amini



ICTP-Sussex
Kate Shaw



EBRI
Zainab Nazari

Kabul university
Ahmad Sajad Nazari
IASBS
Farsila Payandi



Final reflections and future steps

Physics Without Frontiers (PWF), an initiative of ICTP, is actively working to support Afghan students and scientists in the current challenging environment. The program focuses on empowering university students in physics.



Physics Department-Kabul University-2019



Thank you very much!

<https://www.ictp.it/home/physics-without-frontiers>

PWF-2018, Kabul
University